

BSN – DNP Curriculum

Doctor of Nursing Practice in Nurse Anesthesia – 90 Credit Hours

Semester	Course #	Course Title	Credits	Course Descriptions
(1) Fall	NRS 769	Professional Roles in Nurse Anesthesia	3	An exploration of the theoretical and practical aspects of the profession of nurse anesthesia and how they impact the delivery of anesthesia care and patient access to anesthesia services
	NRS 780	Quality Improvement and Patient Safety	3	The course provides an in-depth exploration of the methodologies, tools, and strategies used to enhance healthcare quality and ensure patient safety. Students will learn to lead and manage quality improvement initiatives, identify and mitigate risks, and foster a culture of safety within healthcare organizations. The curriculum covers the theoretical foundations of quality improvement and patient safety, practical approaches to analyzing and improving care processes, and the application of evidence-based practices to reduce errors and enhance patient outcomes. Emphasis is placed on interdisciplinary collaboration, data-driven decision-making, and the use of technology and innovation to drive improvements.
	NRS 781	Leadership & Ethics	2	This course provides a comprehensive exploration of leadership and ethical principles as they apply to the Doctor of Nursing Practice role. Emphasizing both theoretical foundations and practical applications, learners will engage in critical analysis of contemporary leadership models and ethical frameworks to enhance their capacity to lead and advocate within complex healthcare environments. The course will also address current issues and trends in healthcare leadership and ethics, including regulatory and accreditation standards, health disparities, and the integration of technology and innovation in patient care. Learners will apply knowledge and skills necessary to lead with integrity, advocate for ethical practices, and contribute to the advancement of the nursing profession.
	NRS 786	Healthcare Management & Finance	3	The course provides a comprehensive overview of healthcare management principles, financial management strategies, and economic factors influencing the healthcare industry. Students will learn to navigate complex healthcare systems, optimize resource allocation, and implement financial strategies that enhance organizational performance and patient care. This course covers key topics such as strategic planning, budgeting and financial analysis, and cost containment. Emphasis is placed on integrating management and financial acumen to improve healthcare delivery and achieve sustainable outcomes.
	TOTAL			11

(2) Spring 2025	NRS 705	Advanced Pharmacology	4	The purpose of this course is to prepare the advanced practice nurse in the area of pharmacology. This course will cover the topics of pharmacokinetics, pharmacodynamics, major drug categories, and prescribing responsibilities.
	NRS 782	Applied Biostatistics for Evidence-based Practice	4	The purpose of this online course is to prepare the learner to critically appraise, analyze, and synthesize evidence in a variety of forms for application to practice. This course will build on concepts from statistics, epidemiology, and theoretical models for translational science and evidence-based practice (EBP). The learner will cultivate a critical attitude towards analyzing data and scientific literature for the purposes of evidence translation through the application of a variety of appraisal tools. Learners will apply skills in organizing, cleaning, and analyzing data with an emphasis on interpretation and reporting of results.
	NRS 783	Healthcare Informatics and Technologies	2	This course analyzes the application of data in the healthcare system and the policies surrounding its collection and use. Learners explore the role of the electronic health record, telemedicine, and ethical big data collection in improving population and individual health and driving clinical decision making. Learners will evaluate the use of technology for health planning and delivery of care.
	NRS 787	Healthcare Policy, Advocacy & Law	3	This course examines the ethical principles of moral reasoning and its practical application. Learners debate and critique moral, ethical, legal, and political arguments using case studies, as well as examine current political events that impact nursing practice.
	TOTAL		13	
	NRS 706	Advanced Pathophysiology & Physiology	4	<i>The course investigates normal physiologic and pathophysiologic mechanisms of disease as a foundation for clinical assessment, decision making and management. Students will establish the knowledge base necessary for the provision of health care in an advanced nursing specialty.</i>
	ANES 830	Basic Principles of Nurse Anesthesia Practice	2	This course provides a broad introduction and overview of basic anesthesia theory, principles, and procedures.

(3) Summer	NRS 784	Epidemiology and Population Health	3	This course provides a thorough grounding in the principles and methods of epidemiology, focusing on the distribution and determinants of health and diseases in populations. learners will learn to apply epidemiological concepts and techniques to assess, monitor, and improve the health of communities and populations. Scholars use biostatistical methods for data analysis, and the interpretation of epidemiological data to inform clinical practice and health policy. Special emphasis is placed on the role of social determinants of health, health disparities, and strategies for disease prevention and health promotion.
	NRS 785	Evidence Translation and Implementation Science	2	The course provides a comprehensive overview of the principles and methodologies of implementation science, emphasizing strategies to overcome barriers and facilitate the adoption, integration, and sustainability of evidence-based practices in diverse healthcare settings. Scholars will explore theoretical frameworks and models of implementation science, examine methods for assessing and enhancing the fidelity and effectiveness of interventions. The course will also cover strategies for engaging stakeholders, including patients, healthcare providers, and policymakers, to support evidence translation efforts.
	TOTAL		11	
(4) Fall	NRS 707	Advanced Health Assessment (Specialty Lab 1 Credit)	4	Develop advanced assessment skills to systematically collect, analyze, and interpret data to make sound clinical judgments related to a client's health status across the lifespan. Includes appropriate diagnostics and their interpretation.
	ANES 831	Basic Principles of Nurse Anesthesia Lab and Simulation	1	Application of basic principles, techniques, and equipment necessary for the practice of nurse anesthesia.
	ANES 721	Applied Clinical Learning in Nurse Anesthesia I	2	Delivery of basic anesthesia nursing care to persons in a variety of settings.
	ANES 832	Physics and Mechanics of Anesthesia Delivery System and Biochemistry	2	This course emphasizes the application of physical and biochemical principles in Nurse Anesthesia Practice. The inspection, use, and troubleshooting of anesthesia delivery systems and equipment will be detailed.
	ANES 833	Nurse Anesthesia Practice and Coexisting Conditions I	2	An in-depth description of pathophysiologies of the neurologic and cardiac systems with emphasis on anesthetic implications.
	ANES 850	Pharmacology for Nurse Anesthesia Practice I	2	An in-depth exploration of key pharmacological concepts and agents used in nurse anesthesia practice.
	TOTAL		13	
	ANES 722	Applied Clinical Learning in Nurse Anesthesia II	4	Foundations of clinical anesthesia nursing care.
	ANES 834	Nurse Anesthesia Practice and Coexisting Conditions II	2	An in-depth description of pathophysiologies of the respiratory and renal, hepatobiliary, and endocrine systems with emphasis on anesthetic implications.

(5) Spring	ANES 835	Advanced Principles of Nurse Anesthesia Practice	4	Principles and application of anesthetic techniques to effectively care for complex cases. Obstetrical, pediatric, cardiac, and regional anesthesia will be addressed, as well as anesthesia delivery in unconventional environments.
	ANES 836	Advanced Principles of Nurse Anesthesia Lab and Simulation	1	Application of advanced principles, techniques, and equipment necessary for the practice of nurse anesthesia.
	ANES 851	Pharmacology for Nurse Anesthesia Practice II	2	An in-depth analysis of the pharmacological concepts and agents in the clinical application.
	NRS 790	DNP Project Proposal Seminar	1	During the doctoral study, learners will synthesize learning throughout the program through the construction and dissemination of an evidence-based practice project. The scholarly project will be derived from practice needs that focus on a change initiative such as a quality improvement project, program evaluation, or evaluation of a new practice model.
	TOTAL		14	
(6) Summer	ANES 723	Applied Clinical Learning in Nurse Anesthesia III	6	Delivery of basic anesthesia nursing care to persons in a variety of settings.
	NRS 791	DNP Project Planning	1	During the doctoral study, learners will synthesize learning throughout the program through the construction and dissemination of an evidence-based practice project. The scholarly project will be derived from practice needs that focus on a change initiative such as a quality improvement project, program evaluation, or evaluation of a new practice model.
	TOTAL		7	
(7) Fall	ANES 724	Applied Clinical Learning in Nurse Anesthesia IV	5	Delivery of intermediate anesthesia nursing care to persons in a variety of settings.
	NRS 792	DNP Project Implementation	1	During the doctoral study, learners will synthesize learning throughout the program through the construction and dissemination of an evidence-based practice project. The scholarly project will be derived from practice needs that focus on a change initiative such as a quality improvement project, program evaluation, or evaluation of a new practice model.
	TOTAL		6	
	ANES 725	Applied Clinical Learning in Nurse Anesthesia V	5	Delivery of advanced anesthesia nursing care to persons in a variety of settings.
	ANES 739	Clinical Integration Concepts I	1	Independent study to review and integrate all concepts learned in foundational anesthesia courses. A comprehensive examination is employed to demonstrate mastery of Year 2 level knowledge.

(8) Spring	NRS 793	DNP Project Evaluation and Dissemination	2	During the doctoral study, learners will synthesize learning throughout the program through the construction and dissemination of an evidence-based practice project. The scholarly project will be derived from practice needs that focus on a change initiative such as a quality improvement project, program evaluation, or evaluation of a new practice model.
	TOTAL		8	
(9) Summer	ANES 726	Applied Clinical Learning in Nurse Anesthesia VI	5	Delivery of advanced anesthesia nursing care to persons in a variety of settings. Demonstration of patient care at a level largely independent of instructor intervention.
	ANES 740	Clinical Integration Concepts II	2	This course provides a format for students to complete a structured study plan for the review of anesthesia practice and related professional concepts and preparation for the NBCRNA National Certification Examination (NCE). The NBCRNA Self-Evaluation Examination (SEE) is used to evaluate the requisite body of knowledge for anesthesia practice.
	TOTAL		7	
Total for entire curriculum			90	